

DATE OF DEPOSIT: October 15, 2004

**DT07 Rec'd PCT/PTO 14 OCT 2004**

FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 4239-64828-02
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) Not yet assigned <b>10/511362</b>
INTERNATIONAL APPLICATION NO. PCT/US03/12348	INTERNATIONAL FILING DATE 18 April 2003	PRIORITY DATE CLAIMED 19 April 2002
TITLE OF INVENTION COMPOSITIONS AND METHODS FOR DIAGNOSTICS AND THERAPEUTICS FOR HYDROCEPHALUS		
APPLICANT(S) FOR DO/EO/US Perry J. Blackshear, Darryl C. Zeldin, Joan P. Graves and Deborah J. Stumpo		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. § 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. § 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. § 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> A Declaration of Inventorship and Powers of Attorney from the inventors</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li> </ol>		
<b>Items 11. to 16. below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>16. <input checked="" type="checkbox"/> Other items or information: <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> Abstract on a separate page.</li> <li><input checked="" type="checkbox"/> Diskette containing an electronic copy of a Sequence Listing.</li> <li><input checked="" type="checkbox"/> Paper copy of the Sequence Listing, <u>55</u> pages.</li> <li><input checked="" type="checkbox"/> Statement in Compliance verifying the identify of the above copies.</li> </ol> </li> </ol>		

D105 Rec'd PCT/PTO 14 OCT 2004

U.S. APPLICATION NO. (If not yet assigned, see 37 C.F.R. § 1.53) Not yet assigned		INTERNATIONAL APPLICATION NO. PCT/US03/12348		ATTORNEY'S DOCKET NUMBER 4239-64828-02																																																					
17. <input checked="" type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)):</b>  Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1,110.00  International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... \$950.00  International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority..... \$790.00  International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... \$750.00  International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)..... \$100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> \$ 750.00  Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)). \$ <table border="1"><thead><tr><th>CLAIMS</th><th>NUMBER FILED</th><th>NUMBER EXTRA</th><th>RATE</th></tr></thead><tbody><tr><td>Total claims</td><td>59 - 20 =</td><td>39</td><td>x \$18.00</td></tr><tr><td>Independent Claims</td><td>6 - 3 =</td><td>3</td><td>x \$88.00</td></tr><tr><td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td><td>+ \$230.00</td></tr><tr><td colspan="3"><b>TOTAL OF ABOVE CALCULATIONS =</b></td><td>\$ 1,716.00</td></tr><tr><td colspan="3"><input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.</td><td>\$</td></tr><tr><td colspan="3"><b>SUBTOTAL =</b></td><td>\$ 1,716.00</td></tr><tr><td colspan="3">Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).</td><td>\$</td></tr><tr><td colspan="3"><b>TOTAL NATIONAL FEE =</b></td><td>\$ 1,716.00</td></tr><tr><td colspan="3">Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.</td><td>\$ 40.00</td></tr><tr><td colspan="3"><b>TOTAL FEES ENCLOSED =</b></td><td>\$ 1,756.00</td></tr><tr><td colspan="3"></td><td>REFUND → \$</td></tr><tr><td colspan="3"></td><td>CHARGE → \$</td></tr></tbody></table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	59 - 20 =	39	x \$18.00	Independent Claims	6 - 3 =	3	x \$88.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$230.00	<b>TOTAL OF ABOVE CALCULATIONS =</b>			\$ 1,716.00	<input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.			\$	<b>SUBTOTAL =</b>			\$ 1,716.00	Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).			\$	<b>TOTAL NATIONAL FEE =</b>			\$ 1,716.00	Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.			\$ 40.00	<b>TOTAL FEES ENCLOSED =</b>			\$ 1,756.00				REFUND → \$				CHARGE → \$	CALCULATIONS (PTO USE ONLY)	
				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																		
Total claims	59 - 20 =	39	x \$18.00																																																						
Independent Claims	6 - 3 =	3	x \$88.00																																																						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$230.00																																																						
<b>TOTAL OF ABOVE CALCULATIONS =</b>			\$ 1,716.00																																																						
<input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.			\$																																																						
<b>SUBTOTAL =</b>			\$ 1,716.00																																																						
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).			\$																																																						
<b>TOTAL NATIONAL FEE =</b>			\$ 1,716.00																																																						
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.			\$ 40.00																																																						
<b>TOTAL FEES ENCLOSED =</b>			\$ 1,756.00																																																						
			REFUND → \$																																																						
			CHARGE → \$																																																						

a. ☒ A check in the amount of \$ 1,756.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.


c. ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.

d. ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

**NOTE:** Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH  
**CUSTOMER NUMBER 36218**

KLARQUIST SPARKMAN, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, OR 97204-2988

  
SIGNATURE  
Anne Carlson, Ph.D.  
NAME  
47,472  
REGISTRATION NUMBER

cc: Docketing